

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT



#2

In re Application of:

Alison Joy HODGKINSON et al

Serial No.: 09/424246

Group Art Unit: 1641

Filed: November 29, 1999

For: PROCESSES FOR PRODUCTION
OF IMMUNOGLOBULIN IN A MILK

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

Documents AJ-AK and AP1-AQ1 were cited in the International Search Report. A copy of the ISR is attached.

All remaining documents listed on the attached Form PTO-1449 are discussed on pages 2, 3 and 12 of the instant specification.

Document AB is the U.S. counterpart of French Patent No. 2520235 listed on page 12 of the specification.

In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application.

Respectfully submitted,

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Date: April 5, 2000

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

1997 U.S. PTO
10/067792
02/08/02ATTY. DOCKET NO.: 6059/P64057US0GROUP ART UNIT: 1641SERIAL NO.: 09/424246FILING DATE: November 29, 1999APPLICANT(S): HODGKINSON et alTODAY'S DATE: April 5, 2000

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE (If Appropriate)
	AA 4229342	10/21/80	Mirabel	260	120	
	AB 4582580	04/15/86	Goudal et al	204	182.6	
	AC 4644056	02/17/87	Kothe et al	530	387	
	AD 5066491	11/19/91	Stott et al	424	85.8	
	AE 5260057	11/09/93	Cordle et al	424	85.8	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES) (NO)
	AF 239466	08/19/91	New Zealand			
	AG 0320152	06/14/89	Europe			
	AH 2179947	03/18/87	United Kingdom			
	AI WO97/27757	08/07/97	WIPO			
	AJ 1573995	09/03/80	United Kingdom			
	AK 0469359	02/05/92	Europe			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	Am J Vet Res, Vol. 45, No. 1, Saif et al, "Immune response of pregnant cows to bovine...", pgs. 49-58, January 1984
AM	Vet Immunology & Immunopathology, Vol. 6, Opdebeeck et al, "Comparative effect of selected...", pgs. 341-351, 1984
AN	Vaccine, Vol. 11, Issue 2, Husband, "Novel vaccination strategies for the control...", pgs. 107-112, 1993
AO	Vaccines in Agriculture, Watson et al, "Immunological effector mechanisms in ruminants", pgs. 21-36, 1994

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- AP J Dairy Sci, Vol. 80, No. 10, Hogan et al, "Responses of anti-body Titers to Itramammary...", pgs. 2398-2402, pgs. 1997
- AQ Australian Jour of Dairy Tech, Shelldrake, "Immune mechanisms of the ruminant mammary gland", pgs. 30-32, March/June 1987
- AR Immunology, Vol. 56, Shelldrake et al, "The effect of intra-peritoneal and intramammary...", pgs. 605-615, 1985
- AS Res in Vet Sci, Vol. 38, Shelldrake et al, "Specific antibody-containing cells in the mammary...", pgs. 312-316, 1985
- AT Vaccine, Vol. 3, Crouch, "Vaccination against enteric rota and coronaviruses in cattle...", pgs. 284-291, September 1985
- AU Cambridge Univ. Press, "The mucosal immune system with particular reference to ruminant animals", pgs. 429-457, 1986
- AV Res in Vet Science, Vol 45, Shelldrake et al, "Origin of antibody containing cells in the ovine...", pgs. 156-159, 1988
- AW Res in Vet Science, Vol. 49, Shelldrake et al, "IgA immune responses in the respiratory...", pgs. 98-103, 1990
- AX Health and Production for the 21st Century, Husband et al, "The development of vaccines to protect...", pgs. 82-88, 1993
- AY Eur. J. Pediatr., Vol. 132, Mietens et al, "Treatment of Infantile E. coli gastroenteritis...", pgs. 239-252, 1979
- AZ Ad. Exp. Med & Biol, Pahud et al, "Bovine milk antibodies in the treatment of enteric infections...", pgs. 591-600, 1981
- AA1 J of Inf. Diseases, Vol. 156, No. 1, Hilpert et al, "Use of bovine milk concentrate containing...", pgs. 158-166, July 1987
- AB1 J of Cli. Microbiology, Vol. 25, No. 6, Brussow et al, "Bovine milk immunoglobulins for passive...", pgs. 982-986, June 1987
- AC1 Antibodies: A Laboratory Manual, Chapter 5, "Intravenous injections", pgs. 110-114, 1988

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AD1 ILAR Journal, Vol. 37, No. 3, Jackson et al, "Institutional policies and guidelines on adjuvants...", pgs. 141-152, 1995
 AE1 Agric. Biol. Chem., Vol. 46, No. 6, Kanamaru et al, "Purification of Secretory IgA from Bovine...", pgs. 1531-1537, 1982
 AF1 Can J Vet Res, Vol. 50, Nielsen, "A method for preparation of IgA from Bovine Mammary Secretions", pgs. 227-231, 1986
 AG1 Milchwissenschaft 48, Vol. 5, Kanamaru et al, "Ultrafiltration and gel filtration methods for...", pgs. 247-251, 1993
 AH1 International Dairy Federation, Ruiz, Jr., "Antibodies from milk for the prevention and...", pgs. 108-131, 08/31-09/01/93
 AI1 The Lancet, Tzipori et al, Chronic cryptosporidial diarrhoea and hyperimmune cow colostrum", pgs. 344-345, 1987
 AJ1 J of App Bacteriology, Vol. 74, Husu et al, "Production of hyperimmune bovine colstrum...", pgs. 564-569, 1993
 AK1 J. Protozool, Vol. 38, No. 6, Fayer et al, "Production and preparation of hyperimmune bovine...", pgs. 38S-39S, Nov.-Dec. 1991
 AL1 Am. J. Med. Hyg., Vol. 47, No. 3, Tacket et al, "Efficacy of bovine milk immonoglobulin...", pgs. 276-283, 1992
 AM1 Inf and Immunity, Vol. 55, No. 10, Michalek et al, "Protection of Gnotobiotic Rats against...", pgs. 2341-2347, Oct. 1987
 AN1 Gastroenterology, Vol. 98, No. 2, Ungar et al, "Cessation of cryptosporidium-associated diarrhea...", pgs. 486-489, 1990
 AO1 J of British Pediatric Assoc., Vol. 70, No. 4, Heaton, "Bovine colostrum immunoglobulin concentrate...", pgs. 355-357, 1994
 AP1 Medline Abstract Accession No. 8524380
 AQ1 Medline Abstract Accession No. 76033025

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